



B650G Bridger Amplifier

**2 Year
Warranty**



Drop In replacement for Magnavox/Philips B**

Operational Gain 27 dB - Low Distortion

100% New Board - Low Noise Figure 6 dB

Plug in EQ's and Pads for maximum flexibility

GaAs FET Technology

Specifications in Housing

Parameter	Test Conditions		Units	Notes	Forward
Technology	-		-	-	GaAs FET PD
Bandwidth	-		MHz	-	54-650
Response Flatness	-		dB	-	+/-0.5
Minimum Full Gain	-		dB	1	27
Operational Gain	-		dB	-	27
Slope	-		dB	-	Fixed with plug in EQ
Input Return Loss	Freq	54-650 MHz	dB	2	16
Output Return Loss	Freq	54-650 MHz	dB	-	16
DC Current Draw (max)	-		mA	-	450
Noise Figure	-		dB	-	6

Distortion Measurements @ rated loading

Reference Frequencies	-	MHz	-	55/550/650
Output Levels	-	dBmV	-	37/47/49
Channel Loading	-	NTSC	3	77 + digital above 550 MHz
Composite Triple Beat	-	dBc	-	75
Composite Second Order	-	dBc	-	72
Carrier to Noise	-	dB	-	65
Cross Modulation	-	dBc	-	75

Notes:

1. Factory alignment flat .
2. All return loss measurements made with 0 dB pads and a #18 gauge wire jumpers in place of the equalizers.
3. Distortion measurements made with 77 analog channels and digital channels running 6 dB down from an analog equivalent.
4. 750 MHz version available on special order 1 dB higher gain and distortions will be 1 dB lower

Available now from stock to 4 weeks

Contact:

4Cable TV Inc.

843-365-4938

4254 Highway 501 West

Conway SC 29526

www.4cable.tv

sales@4cable.tv